

Town of Lexington

PLANNING BOARD

1625 Massachusetts Avenue Lexington, MA 02420 Tel (781) 698-4560 planning@lexingtonma.gov www.lexingtonma.gov/planning Robert Creech, Chair Robert D. Peters, Vice Chair Ginna Johnson, Clerk Richard L. Canale Charles Hornig Michael Leon, Associate

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1	RECOMMENDATION REPORT OF THE LEXINGTON PLANNING BOARD		
2 3	ARTICLE 14: AMEND ZONING BYLAW - WIRELESS COMMUNICATION FACILITIES		Deleted: THE
4	RECOMMENDATION		
5 6 7	The Planning Board <mark>unanimously</mark> recommends that Town Meeting APPROVE the motion under Article 14: Wireless Communication Facilities. On Wednesday, September 23, 2020, after a series of public hearings, the Planning Board voted to recommend		
8 9	favorable action with a vote of in favor, in opposition, and in abstention for Article 14: Wireless Communications <u>Facilities</u> .		
10	BACKGROUND		
11 12	As Lexington and other communities across the country prepare for the roll-out of 5G technology, the Federal Communications Commission (FCC) has developed new regulations		
13 14	and shot clocks for the review of such infrastructure. Article <u>14</u> : Wireless Communication <u>Facilities</u> would update the Zoning Bylaw to reflect changes in federal law and regulations		Deleted: 40
15	relative to wireless communication facilities. These changes include streamlining permitting		
16 17	of wireless facilities on private property to meet federal 'shot clock' deadlines by not requiring special permits and expanding acceptable justifications for adding new		
18	facilities.		
19	BOARD COMMENT		
20 21 22 23 24	Although the Planning Board considers this to be a necessary change to the existing Bylaw. The Planning Board also realizes that it will result in a lot of additional communications infrastructure being installed throughout the Town. Design guidelines are now being developed that will allow oversight of the utility companies that will install the equipment.		
25	PUBLIC HEARING PROCESS		
26 27 28 29 30 31 32	Due to COVID-19, all of the zoning articles initially scheduled for the Annual Town Meeting scheduled for March of 2020 were postponed to a Fall Special Town Meeting of 2020. Due to the length of time between the Annual and Fall Special Town Meetings, the Planning Board was required to hold new public hearings. To ensure all information heard during the public hearings has been communicated, this section of this report provides a review of the public hearings held for the Annual Town Meeting 2020 and Fall Special Town Meeting 2020.		
33	Annual Town Meeting Public Hearing Proceedings (March 2020)		Deleted: <u>February -</u>
34 35 36	On Wednesday, March 4, 2020, after the publication of the legal advertisement in the Lexington Minuteman Newspaper on February 18, 2020, and February 25, 2020, and notification sent to parties of interest, the Planning Board opened its public hearing for		

- 40 Article 40 Wireless Communication. The Planning Board closed the public hearing and made a favorable recommendation to the Annual Town Meeting of 2020.
- The Planning Board during the public hearing process provided comments, in addition to
- 43 taking public comments. Much of the discussion during the Wednesday, March 4, 2020,
- 44 public hearing was relative to why this is important now and whether it could wait. Kenneth
- Pogran of the Communications Advisory Committee (CAC) guided the Planning Board,
- 46 noting that such amendments to the existing Wireless Communications Bylaw would bring
- 47 the Lexington Zoning Bylaw into compliance with federal regulations.

MARCH 4, 2020

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- Robert Creech, Chair, opened the public hearing for Article 40: Wireless Communication Facilities and requested a presentation.
- 51 Charles Hornig presented a PowerPoint presentation entitled Article 40: Wireless
 - Communication Facilities. The presentation covered topics such as Why this change? and
- 53 a review of Small Wireless Facilities.
 - Mr. Creech requested comments from members of the Planning Board. The Planning Board provided the following comments.
 - Richard Canale requested clarification regarding the status of efforts by Carol Kowalski, Assistant Town Manager of Development, relative to wireless communication. Mr. Hornig and Ms. Loomis provided clarification regarding the differences between the Planning Board and the efforts of Ms. Kowalski. Mr. Canale questioned if there have been other communities with bylaws relative to 5G wireless communication. Mr. Hornig provided a review of his research on other communities' regulations.
 - Mr. Hornig, Mr. Creech, Ginna Johnson, and Robert Peters did not have any comments and requested to hear from members of the public.
 - Mr. Creech opened the floor for public comment. The following comments were provided.
 - Mr. Creech recognized Kenneth Pogran, Communications Advisory Committee. It was noted that the passing of this Bylaw would bring the Town's Wireless Communication into compliance with federal regulations. Mr. Pogran stated that the CAC voted to support the proposed Town Meeting Article on Wireless Communication Facilities.
 - Mr. Creech requested clarification regarding wireless communication, in addition to providing examples of installation in Lexington.
 - Members of the Planning Board provided questions and requested clarification from Mr. Pogran.
 - Ms. Johnson requested clarification regarding the number of installations per block and questioned if there was a way to regulate the installation.
 - Robert Peters requested clarification regarding installation and stress on the pole, thereby requiring replacement of the pole.

- Mr. Creech requested clarification as to whether if the CAC supported the proposed Bylaw to Town Meeting. Mr. Pogran stated that the CAC fully supports this article.
- Mr. Canale requested clarification as to how the CAC would be involved in reviewing the regulation of wireless installations. Mr. Canale further provided a review of the Somerville, MA regulations.

Mr. Creech questioned the reach of the proposed regulations. Mr. Hornig stated that the proposed language meets the Federal Communication Commission (FCC). Mr. Creech reviewed various sections of the proposed language and requested modifications to the language.

Mr. Creech requested clarification as to what the Planning Board was thinking.

- Ms. Johnson stated that she did not have any objection as to what was being proposed.
- Mr. Canale requested to review the policies being prepared by Ms. Kowalski before the proposed regulations.
- Mr. Hornig requested a presentation of Ms. Kowalski relative to the proposed design guidelines.

Fall Special Town Meeting Public Hearing Proceedings (September 2020)

On Wednesday, September 9, 2020, after the publication of the legal advertisement in the Minuteman Newspaper on August 20, 2020, and August 27, 2020, and notification sent to parties of interest, the Planning Board opened its public hearing for Article 14: Amend Zoning Bylaw – Wireless Communications Facilities. A continued public hearing was held on Wednesday, September 23, 2020. At such time the Planning Board closed the public hearing and made a favorable recommendation to the Annual Town Meeting of 2020.

SEPTEMBER 9, 2020

 The Planning Board reviewed and discussed the proposed amendments to the Lexington Zoning Bylaw, relative to Wireless Communications. Charles Hornig presented a PowerPoint presentation that provided an overview of Why this change? and what is being proposed.

The Planning B

- Richard Canale requested clarification of a question proposed in February regarding
 consistency between what occurs on private land and public head relative to
 Wireless Communication. Mr. Hornig provided clarification of the dovetailing of the
 two regulation efforts. Mr. Canale requested guidance from the Communications
 Advisory Committee.
- Ginna Johnson provided a review of her observations of such infrastructure and the concerns about potential impacts on the environment.
- Mr. Hornig stated that the current regulations in the Zoning Bylaws are currently in violation of federal regulations.
- Mr. Canale requested clarification about how many communities have been rushing to amend their regulations to their bylaws and ordinances.

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Mr. Pogran of the Communications Advisory Committee spoke in favor of the proposed Article_noting that the Communications Advisory Committee worked in the Spring of 2020 with Mr. Hornig to finalize the proposed Article and Lexington is presently behind the curve with the Federal Regulations.

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SEPTEMBER 23, 2020

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All comments and discussions during the public hearing process can be reviewed on the video stream capture of the public hearing and the associated meeting minutes.

ARTICLE MOTION

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That the Zoning Bylaw, Chapter 135 of the Code of the Town of Lexington be amended as follows, (struck-though text is to be removed and <u>underlined</u> text is to be added), and further that non-substantive changes to the numbering of this bylaw be permitted in order that it be in compliance with the numbering format of the Code of the Town of Lexington:

A. Amend row 0.1.08 of Table 1, Permitted Uses and Development Standards, so that it reads:

		GC	RO	RS	RT	CN	CRS	cs	СВ	CLO	CRO	СМ	CSX
0.1.08	Wireless communication facility *Yes if concealed as per § 6.4.4 (See § 6.4.)	<u>SP*</u> <u>Y</u>											

B. Amend § 135-6.4 so that it reads:

6.4 WIRELESS COMMUNICATION FACILITIES.

- **6.4.1** Purpose. This section permits the use of wireless communication facilities within the Town, regulates their impacts and accommodates their location and use in a manner intended to:
 - 1. Protect the scenic, historic, environmental and natural or man-made resources of the Town;
 - 2. Protect property values;
 - 3. Minimize any adverse impacts on the residents of the Town (such as, but not limited to, attractive nuisance, noise and falling objects) with regard to the general safety, welfare and quality of life in the community;
 - Provide standards and requirements for regulation, placement, construction, monitoring, design, modification and removal of wireless communication facilities;
 - 5. Provide a procedural basis for action within a reasonable period of time for requests for authorization to place, construct, operate or modify wireless communication facilities;

158		6. Encourage the use of certain existing structures and towers;
159 160		7. Minimize the total number and height of towers located within the community;
161 162		8. Require tower sharing and clustering of wireless communication facilities where they reinforce the other objectives in this section; and
163		9. Be in compliance with the federal Telecommunications Act of 1996.
164 165 166 167 168	6.4.2	Applicability. The requirements of this section shall apply to all wireless communication facilities, except where federal or state law or regulations exempt certain users or uses from all or portions of the provisions of this section. No wireless communication facility shall be considered exempt from this section by sharing a tower or other structure with such exempt uses.
169 170 171 172 173	6.4.3	Location of Facilities; Priorities. Wireless communication facilities shall be located according to the following priorities. Applicants shall demonstrate that they have investigated locations higher in the following priority ranking than the one for which they are applying and whether such sites are available and, if applicable, under what conditions. The priorities are:
174		1. Within an existing structure concealed;
175		2. Within an existing structure and camouflaged;
176 177 178		3. Camouflaged on an existing structure, such as including but not limited to an existing utility pole electric transmission tower or an existing radio antenna, a water tower, or building, and of a compatible design;
179		4. Co-located with existing wireless communication service facilities;
180 181		5. On Town of Lexington owned land which complies with other requirements of this section and where visual impact can be minimized and mitigated;
182 183 184 185 186		6. If adequately demonstrated to the SPGA in the special permit process that each of the priorities set forth above is not feasible, erection of a new facility that complies On existing structures that comply with the other requirements of this section and where visual impact can be minimized and mitigated; and
187		7. <u>On new towers</u> .
188 189 190	6.4.4	Facilities Permitted by Right. A concealed wireless communication facility may be installed in a structure on a lot in a commercial district provided all the requirements for a wireless communication facility building permit are met.
191 192 193	6.4.5	Facilities Authorized by Special Permit. A wireless communication facility may be installed in the locations indicated in § 6.4.3, provided all prescribed conditions, listed below, are met and the SPGA grants a special permit:
194 195 196		1. Multifamily dwelling. A concealed wireless communication facility may be installed in a building or in a structure on a building on a lot on which a dwelling other than a one-family or two-family dwelling is the principal use

198 before the application for a special permit is submitted. 199 -Institutional, agricultural, natural resource or commercial uses in residential 200 districts. 201 a.--A concealed wireless communication facility may be installed in a 202 building or in a structure on a building on a lot on which an 203 institutional, agricultural, natural resource or commercial use in a residential district (as provided in Table 1) is the principal use. 204 205 b. A wireless communication facility may be installed if it is co-located 206 with an existing electrical power transmission line tower, an existing 207 nonconforming transmitting or receiving tower, or a water tower, 208 provided that the wireless communication facility is camouflaged and does not exceed the height of the tower. 209 210 c. For the purposes of this section, an electrical power transmission 211 tower, an existing transmitting or receiving tower or antenna for 212 commercial activities other than a wireless communication facility 213 shall be considered to be a commercial use in a residential district. 214 3. Uses in commercial districts. A wireless communication facility may be 215 installed on a lot in a commercial district provided the wireless 216 communication facility is camouflaged and does not exceed the height requirements of § 4.4. 217 218 **6.4.6** Site Development Requirements. The following standards shall apply: 219 1. Shelters and accessory buildings. Any communication equipment shelter or 220 accessory building shall be designed to be architecturally similar and 221 compatible with the surrounding area. Whenever feasible, a building shall be 222 constructed underground. 223 2. Setbacks. Any new tower shall be set back at least one time the height of the 224 tower plus 10 feet from each lot line of the site on which the tower is located. 225 Any non-concealed antenna shall be set back at least one time the height of 226 the antenna, as measured from the ground level, from each lot line of the site 227 on which the antenna is located. However, if the antenna is being attached to 228 an existing tower structure whose setback is already approved, either by 229 right, by special permit or by variance, and if the SPGA determines that the 230 addition of the antenna does not materially alter the basis of that prior 231 approval, then no new, independent setback requirement shall be created by 232 the addition of the antenna. In nonresidential districts or on Town of 233 Lexington owned land, The SPGA may grant a special permit to allow a lesser 234 setback if it makes a finding that such lesser setback provides adequate 235 safety, promotes co-location or improves design, and will not negatively 236 impact the appearance and character of the neighborhood.

Security and signs. <u>Except for small wireless facilities</u>, the area around the wireless communication facility shall be completely secure from trespass or

provided all residents of such dwelling or facility receive 30 days' notice

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- vandalism- and a sign not larger than one square foot shall be posted
 adjacent to the entry gate indicating the name of the facility owner(s) and a
 twenty-four-hour emergency telephone number. Advertising on any antenna,
 tower, fencing, accessory building or communication equipment shelter is
 prohibited.

 4. Lighting. Unless required by the Federal Aviation Administration, no exterior
 - 4. Lighting. Unless required by the Federal Aviation Administration, no exterior night lighting of towers or the wireless communication facility is permitted except for manually operated emergency lights for use when operating personnel are on site.
 - 5. New towers. Any new freestanding tower shall be of a monopole construction. New towers shall not exceed the minimum height necessary to provide adequate coverage within the Town of Lexington. Erection-of a new tower that exceeds the height restrictions-listed in § 6.4 is not permitted unless the applicant demonstrates in the special permit process that adequate coverage within the Town of Lexington cannot otherwise be provided met for the locations permitted under § 6.4 of § 4.3 is permitted if the restrictions materially inhibit provision of wireless services under the Telecommunications Act. New towers that are not small wireless facilities require site plan review under § 9.5.

6.4.7 Iustification of Need. The following standards shall apply:

- 1. Coverage area. The applicant shall provide a map of the geographic area in which the proposed facility will provide adequate coverage.
- 2. Adequacy of other facility sites controlled by the applicant. The applicant shall provide written documentation of any facility sites in the Town and in abutting towns or cities in which it has a legal or equitable interest, whether by ownership, leasehold or otherwise. Said documentation shall demonstrate that these facility sites do not already provide, or do not have the potential to provide by site adjustment, adequate coverage.
- 3. Capacity of existing facility sites. The applicant shall provide written documentation that it has examined all facility sites located in the Town and in abutting towns in which the applicant has no legal or equitable interest to determine whether those existing facility sites can be used to provide adequate coverage.
- 4.—Adequate coverage through the least disruptive means. The applicant shall provide written documentation that the proposed facility uses the least disruptive technology (through the use of repeaters or other similar technology as it may be developed subsequent to adoption of this bylaw) in which it can provide adequate coverage in conjunction with all facility sites listed above.

6.4.8 Application; Procedures.

 The applicant or co-applicant for any permit for a wireless communication facility must be a licensed carrier wireless communication service provider who has authority from the FCC to provide wireless communication services for the facility being proposed. The applicant shall submit documentation of the legal right to install and use the proposed facility mount at the time of the filing of the application for the permit.

- 2.—Review by the Design Advisory Committee. The Town of Lexington's Design Advisory Committee shall review an applicant's site plans and make recommendations to the Director of Inspectional Services for by right permit applications and to the SPGA for special permits. The Design Advisory Committee will make comment on whether the site plans show that a proposed wireless communication facility will be concealed for a by right permit if built according to the plans, or whether the site plans show that a proposed wireless communication facility will be concealed or sufficiently camouflaged for a special permit if built according to the plans.
- 3. Review by the Communications Advisory Committee. The <u>Select</u> Board's of <u>Selectmen's</u> Communications Advisory Committee shall review an applicant's application and make recommendations to the <u>Director of Inspectional Services Building Commissioner for by right permit applications and to the SPGA for special permits. The Communications Advisory Committee will make comment as to the application's adherence to the provisions of this section. The Committee may recommend that a consultant be hired by the SPGA (at the applicant's expense) if technical expertise is needed.</u>
- 4. Permits. Each application for a permit must contain site plans with sufficient detail that would enable the Town to determine whether the proposed facility meets the requirements of this section.
- 6.4.9 SPGA. The Board of Appeals shall be the SPGA for permits under § 6.4.
- 6.4.10 Regulations. The SPGA shall maintain a set of regulations that contains the necessary policies, procedures, and standards to implement the provisions of this section. The Select Board may adopt regulations concerning the appearance of wireless communication facilities consistent with the Telecommunications Act.
- 6.4.11 Special Permit Criteria. A special permit shall be granted under this section only if the SPGA shall find that the project is in harmony with the general purpose and intent of this section and the SPGA's regulations. In addition, the SPGA shall make the findings required by § 9.4 and the following additional findings:
 - 1. That the applicant is not already providing adequate coverage or is unable to maintain adequate coverage without the special permit;
 - That the applicant is not able to use existing facility sites either with or without the use of repeaters to provide adequate coverage;
 - That the proposed wireless service facility minimizes any adverse impact on historic resources, scenic views, residential property values, and natural or man-made resources;

324	mitigate the potential adverse impacts of the facilities;
325	5. That the facility shall comply with the appropriate FCC regulations regarding
326	emissions of electromagnetic radiation and that the required monitoring
327	program is in place and shall be paid for by the applicant; and
328	6. That the applicant has agreed to rent or lease available space on any tower it
329	controls within Lexington or its contiguous towns, under the terms of a fair
330	market lease, without discrimination to other wireless service providers.
331	6.4.12 Conditions. If a special permit is granted, in addition to such terms and conditions as
332	may be authorized by § 9.4 of this bylaw, the SPGA may impose such additional
333	conditions and safeguards as public safety, welfare and convenience may require.
334	6.4.13 Denial. Any decision by the SPGA to deny a special permit under this section shall be
335	in conformance with the Telecommunications Act, in that it shall be in writing and
336	supported by substantial evidence contained in a written record.
337	6.4.14 Term of Permit. Each special permit shall be valid for a fixed or conditional period of
338	time as determined by the special permit granting authority. A special permit for any
339	wireless communication service facility that exceeds height provisions of § 6.4 shall
340	be valid for a maximum of 15 years. At the end of the approved time period, the
341	facility shall be removed by the carrier or a new special permit shall be required.
342	6.4.15 Report. All permitted and special permitted wireless communication facility carriers
343	shall periodically file with the Town, every five years (or sooner if specified in a
344	special permit), on operational aspects of the facility including: power consumption;
345	power radiation; frequency transmission; the number, location, and orientation of
346	antennas; and types of services provided.
347	6.4.16 Removal Requirements. Any wireless service facility that ceases to operate for a
348	period of one year shall be removed. Cease to operate is defined as not performing the
349	normal functions associated with the wireless service facility and its equipment on a
350	continuous and ongoing basis for a period of one year. At the time of removal, the
351	facility site shall be remediated such that all wireless communication facilities that
352	have ceased to operate are removed. If all facilities on a tower have ceased to operate,
353	the tower (including the foundation) shall also be removed and the site shall be
354	revegetated by the owner. Existing trees shall only be removed if necessary to
355	complete the required removal. The applicant shall, as a condition of the special
356	permit, provide a financial surety or other form of financial guaranty acceptable to the
357	SPGA to cover the cost of removal of the facility and the remodiation of the

landscape, should the facility cease to operate.

c. When an activity or use requires both site plan review and one or more special permits, except for a wireless communication facility.

C. Amend § 135-9.4.1.1.c so that it reads:

4.—That the applicant has agreed to implement all reasonable measures to

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363	D. In § 135-10.1, remove the definitions of:
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365	 "ADEQUATE COVERAGE (WIRELESS COMMUNICATIONS FACILITIES)",
366	2. "AVAILABLE SPACE",
367	3. "CARRIER",
368	4. "CHANNEL",
369	5. "FACILITY SITE",
370	6. "MODIFICATION OF AN EXISTING FACILITY (WIRELESS COMMUNICATIONS
371	FACILITIES)",
372	7. "MONITORING (WIRELESS COMMUNICATIONS FACILITIES)", and
373	8. "REPEATER".
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375	E. In § 135-10.1, amend the definition of "TELECOMMUNICATIONS ACT" as follows so
376	<u>that it reads</u> :
377	The Federal Telecommunications Act of 1996, as amended, and its
378	implementing regulations.
379	F. In § 135-10.1, add a new definition "SMALL WIRELESS FACILITY" reading as follows:
380	A type of Wireless Communication Facility where:
381	 The facility is mounted on a structure 50 feet or less in height
382	including its antennas, is no more than 10 percent taller than other
383	adjacent structures, or does not extend existing structures on which it
384	is located to a height of more than 50 feet or by more than 10 percent,
385	whichever is greater;
386	 Each antenna associated with the deployment, excluding associated
387	antenna equipment, is no more than 3 cubic feet in volume; and
388	 All other wireless equipment associated with the structure, including
389	the wireless equipment associated with the antenna and any pre-
390	existing associated equipment on the structure, is no more than 28
391	cubic feet in volume.
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394	Planning Board Vote
395	moved that the Planning Board recommend favorable action for Article 14: Amend
396	the Zoning Bylaw – Wireless Communication, as presented seconded the motion.
397	The Planning Board voted in <mark>favor</mark> of the motion <mark>MOTION PASSED</mark>
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399	Robert Creech

400	Robert Peters
401	Ginna Johnson
402	Richard Canale
403	Charles Hornig
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405	Record of Vote
406 407	On May 13, 2020, the Planning Board voted to allow the Planning Board Chair to sign documents on behalf of the Planning Board.
408 409 410 411 412	Charles Hornig moved that the Planning Board vote to allow the Chair of the Planning Board to sign all documents for the Planning Board during the COVID-19 State of Emergency. Robert Peters seconded the motion. The Planning Board voted in favor of the motion 5-0-0 (Roll Call: Robert Peters – yes; Charles Hornig – yes; Richard Canale - yes; Ginna Johnson – yes; and Robert Creech – yes). MOTION PASSED
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414 415	Signature of the Planning Board
416	Signatures of a majority of the Planning Board,
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419	Robert Creech, Chair